

ABSTRACT OF THE DISCLOSURE

An improved warm air blower system for providing a compact source of pressurized air that can be utilized for delivering warm or ambient air to a patient through, for example, a warming blanket. The warm air blower system can include a compression unit and a plenum chamber having a plenum member with a curvilinear interior surface, the plenum member interior surface has a plurality of surface indentations to enable the formation of controlled local turbulence adjacent the interior surface to reduce friction and noise as the compressed air moves across the interior surface. The warm air blower system can be appropriately mounted on a vertical pole, bed, stand or floor mounted. Air filters can be used to filter the air before and after induction to the compression unit. The safe operation of the warm air blower system is appropriately controlled and monitored by a control unit that includes a thermostat.